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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,289	07/08/2003	Toshikazu Ishizaki	007075.115828	7458
29540	7590	08/04/2006	EXAMINER	
PITNEY HARDIN LLP 7 TIMES SQUARE NEW YORK, NY 10036-7311			LOVING, JARIC E	
			ART UNIT	PAPER NUMBER
			2137	
DATE MAILED: 08/04/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/614,289	<b>Applicant(s)</b> ISHIZAKI, TOSHIKAZU	
	<b>Examiner</b> Jaric Loving	<b>Art Unit</b> 2137	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 July 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Objections***

1. Claims 5, 11, 17, and 23 are objected to because of the following informalities:  
"bass" is believed to be --basis--; "biding" is believed to be --bidding--. Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rodriguez et al., US 2002/0138341 and further in view of Teppler, US 2006/0080536.

In claims 1, 13, and 25, Rodriguez discloses an information processing apparatus, method, and computer program product for processing a plurality of entry information elements transmitted from at least one terminal, comprising:

period setting means for setting an output operation period after specifying an output start time and an output end time collectively defining said output operation period (paragraphs [0009], [0028], [0046] – times are set after request is made and information is entered on a ballot);

information receiving means for receiving said entry information elements transmitted from said terminal (paragraphs [0009], [0046]);

information encrypting means for encrypting said entry information elements received from said information receiving means before producing encrypted entry information elements (paragraphs [0027]-[0028], [0047]);

information storing means for storing said encrypted entry information elements produced by said information encrypting means (paragraphs [0010], [0027]-[0029]); and

information decrypting means for decrypting said encrypted entry information elements stored in said information storing means during said output operation period starting from said output start time kept by said time keeping means until said output end time kept by said time keeping means (paragraphs [0030], [0050], [0058]).

Rodriguez fails to disclose time keeping means for keeping time including said output start time specified by said period setting means and said output end time specified by said period setting means. Teppler discloses time keeping means for keeping time including said output start time specified by said period setting means and said output end time specified by said period setting means (paragraphs [0033]-[0035]).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Rodriguez's electronic voting system with Teppler's method of distributing time utilizing time keeping specified by a period to provide organization. It is for this reason that one of ordinary skill in the art would have been motivated to provide Rodriguez's electronic voting system with time keeping because it provides a means of proving certainty such as dates and times associated with access, creation or modification of files and assists in the determination of tampered data (Teppler, paragraphs [0003]-[0004]).

In claims 2, 14, and 26, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 1, 13, and 25, respectively, which further comprises:

time obtaining means for obtaining standard time information indicative of standard time kept by a standard clock (Teppler, paragraph [0070]); and

time adjusting means for adjusting said time keeping means to have said time keeping means synchronized to said standard time on the basis of said standard time information obtained by said time obtaining means (Teppler, paragraph [0070]).

In claims 3, 15, and 27, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 2, 14, and 26, respectively, in which said time obtaining means includes a standard time receiver for receiving said standard time information transmitted from a standard time transmitter at a predetermined frequency (Teppler, paragraphs [0070], [0151]-[0154]).

In claims 4, 16, and 28, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 3, 15, and 27, respectively, in which said standard time receiver is of a waterproof and heat resistant construction (Teppler, paragraph [0064] – tamperproof clock would require it to be resistant to damage such as water and heat).

In claims 5, 17, and 29, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 2, 14, and 26, respectively, which further comprises: error storing means for storing error information indicative of an error of said time kept by said time keeping means with

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respect to said standard time on the basis of said standard time information obtained by said time obtaining means (Teppler, paragraphs [0033]-[0035], [0062], [0070], [0151]-[0154] – time stamps store time that would indicate when errors are made since they would be detected during decryption of information).

In claims 6, 18, and 30, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 2, 14, and 26, respectively, which further comprises:

position obtaining means for obtaining position information indicative of a position thereof, in which said time adjusting means is operative to adjust said time keeping means to have said time keeping means synchronized to said standard time on the basis of said position information obtained by said position obtaining means (Rodriguez, paragraphs [0059]-[0061]; Teppler, paragraph [0070]).

In claims 7, 19, and 31, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 2, 14, and 26, respectively, which

said time obtaining means is placed in a first time zone while said terminal is placed in a second time zone different from said first time zone (Rodriguez, paragraph [0025] – network computers may be in different time zones),

said period setting means, said information receiving means, and said information storing means have respective internal clocks (Teppler, paragraph [0070]),

said time adjusting means is operative to calculate alternative standard time in accordance with said standard time information obtained by said time obtaining means

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in consideration of a time difference between said first time zone where said time obtaining means is operative to obtain said standard time information indicative of standard time, and said second time zone where said terminal is placed, and adjust each of said internal clocks forming part of said period setting means, said information receiving means, and said information storing means to have each of said period setting means, said information receiving means, and said information storing means synchronized to said alternative standard time thus calculated (Teppler, paragraphs [0070]-[0071] – radio clocks are adjustable).

In claims 8, 20, and 32, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 1, 13, and 25, respectively, in which

said period setting means is operative to set an input operation period after specifying an input start time and an input end time collectively defining said input operation period, and said time keeping means is operative to keep time including said input start time specified by said period setting means and said input end time specified by said period setting means (Rodriguez, paragraphs [0009], [0028], [0046]), and

said information receiving means is operative to receive said entry information elements transmitted from said terminal during said input operation period starting from said input start time kept by said time keeping means until said input end time kept by said time keeping means (Rodriguez, paragraphs [0009], [0046]; Teppler, paragraphs [0033]-[0035]).

In claims 9, 21, and 33, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 1, 13, and 25, respectively, which further comprises:

instruction accepting means for accepting an output instruction from said terminal (Rodriguez, paragraphs [0026]-[0027]), and in which

said information decrypting means is operative to decrypt said encrypted entry information elements stored in said information storing means in response to said output instruction accepted by said instruction accepting means during said output operation period starting from said output start time kept by said time keeping means until said output end time kept by said time keeping means (Rodriguez, paragraphs [0030], [0050], [0058]).

In claims 10, 22, and 34, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 1, 13, and 25, respectively, in which

each of said entry information elements is indicative of voting information elements (Rodriguez, paragraphs [0027]-[0028], [0046]-[0047]).

In claims 11, 23, and 35, Rodriguez, as modified, discloses an information processing apparatus, method, and computer program product as set forth in claims 1, 13, and 25, respectively, in which

each of said entry information elements is indicative of bidding information elements (Rodriguez, paragraphs [0046]-[0047]).



In claims 12, 24, and 36, Rodriguez discloses an information processing system, method, and computer program product comprising a plurality of information processing apparatuses for processing a plurality of entry information elements transmitted from at least one terminal,

said information processing apparatuses each comprising:

period setting means for setting an output operation period after specifying an output start time and an output end time collectively defining said output operation period (paragraphs [0009], [0028], [0046]);

information receiving means for receiving said entry information elements transmitted from said terminal (paragraphs [0009], [0046]);

information encrypting means for encrypting said entry information elements received from said information receiving means before producing encrypted entry information elements (paragraphs [0027]-[0028], [0047]);

information storing means for storing said encrypted entry information elements produced by said information encrypting means (paragraphs [0010], [0027]-[0029]); and

information decrypting means for decrypting said encrypted entry information elements stored in said information storing means during said output operation period starting from said output start time kept by said time keeping means until said output end time kept by said time keeping means (paragraphs [0030], [0050], [0058]).

Rodriguez fails to disclose time keeping means for keeping time including said output start time specified by said period setting means and said output end time specified by said period setting means; time obtaining means for obtaining standard

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time information indicative of standard time kept by a standard clock; and time adjusting means for adjusting said time keeping means to have said time keeping means synchronized to said standard time on the basis of said standard time information obtained by said time obtaining means; whereby said time obtaining means of each of said information processing apparatuses is operative to obtain said standard time information indicative of standard time kept by the standard clock to ensure that said time keeping means of each of said information processing apparatuses is synchronized to said standard time on the basis of said standard time information obtained by said time obtaining means. Teppler discloses time keeping means for keeping time including said output start time specified by said period setting means and said output end time specified by said period setting means (paragraphs [0033]-[0035]); time obtaining means for obtaining standard time information indicative of standard time kept by a standard clock (Teppler, paragraph [0070]); and time adjusting means for adjusting said time keeping means to have said time keeping means synchronized to said standard time on the basis of said standard time information obtained by said time obtaining means (Teppler, paragraph [0070]); whereby said time obtaining means of each of said information processing apparatuses is operative to obtain said standard time information indicative of standard time kept by the standard clock to ensure that said time keeping means of each of said information processing apparatuses is synchronized to said standard time on the basis of said standard time information obtained by said time obtaining means (Teppler, paragraph [0070]).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Rodriguez's electronic voting system with Teppler's method of distributing time utilizing time keeping specified by a period, time adjusting, and time obtaining means in order to provide organization. It is for this reason that one of ordinary skill in the art would have been motivated to provide Rodriguez's electronic voting system with time keeping because it provides a means of proving certainty such as dates and times associated with access, creation or modification of files and assists in the determination of tampered data (Teppler, paragraphs [0003]-[0004]).

In claim 37, Rodriguez, as modified, discloses an information processing apparatus as set forth in claim 1, in which said output operation period is kept secret (Rodriguez, paragraphs [0013], [0025]-[0028]).

In claim 38, Rodriguez, as modified, discloses an information processing apparatus as set forth in claim 1, in which said input operation period is kept secret (Rodriguez, paragraphs [0013], [0025]-[0028]).

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Erickson et al., US 2004/0199781; Chung, US 2002/0077886; Karro et al., US 2002/0077885; McClure et al., US 2004/0024635; Travaille, US 2003/0149616; McClure, US 2003/0078834; Barnhart, US 2002/0133396; Bogasky et al., US 2006/0031116; McClure et al., US 2003/0208395; Scott, US 2004/0117244; Chaum, US 2003/0158775; Munyer, US 2002/0143610; Neff, US 2002/0128978; Neff et al., US 2002/0078358; London Shrader et al., US 2002/0077887.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jaric Loving whose telephone number is (571) 272-1686. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



JL

  
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SUPERVISORY PATENT EXAMINER